

a destination station." Support for this amendment can be found at least at page 4, lines 1-4.

Claims 1 and 2 have been amended for consistency with this amendment. Claims 6 and 7 have been similarly amended.

Claim 5 has been amended to generally improve its form in accordance with U.S. patent laws.

Applicants respectfully submit that the present invention according to claims 1-10 is not disclosed or suggested by the present invention.

The present invention is directed to a method and a system that rapidly establishes a time-critical telephone connection through a public switched telephone network between a wireless station and a destination station. Time-critical telephone connections are required by, for example, the rail industry, trucking industry, overnight mail delivery services, the FBI, Secret Service, large utility companies and various state and local government agencies so that wireless telecommunications can be rapidly delivered over a large geographical area.

Presently, dedicated lines are leased by the various organizations for providing such time-critical telephone connections. When a call request is received, the present invention rapidly establishes a time-critical telephone connection based on predetermined routing information stored in a base station. Thus, associated costs are reduced and station mobility is supported.

Widmark is directed to a mobile communications system that provides rapid incorporation of new supplementary services into the mobile communications system. According to Widmark, a home location register (HLR) is configured for storing information relating to

supplemental services subscribed to by a mobile radio subscriber. Each mobile switching center (MSC) of the mobile communications system is configured to access the HLR of a mobile radio subscriber when the subscriber roams into the area served by the MSC. As part of a location registration, the MSC receives and stores information from the HLR relating to subscriber categories of the subscriber. When the MSC receives a call request from the subscriber, the MSC contacts the HLR based on the stored subscriber categories and routes network status information to the HLR which, in turn, then makes decisions based on the subscriber categories of the subscriber. Routing decision are sent to the MSC for routing the call according to the subscriber categories. Depending upon the subscriber categories of the subscriber, the HLR may instruct the MSC to monitor and report status of the call to the HLR so that the HLR can make an appropriate decision during an attempted routing of the call. According to Widmark, by configuring the HLR to store information relating to supplemental services subscribed to by a mobile radio subscriber and by configuring each MSC to access the HLR in response to a location registration and to a service request, new service installation only needs to be done in the HLR and not need to be distributed through a network of MSCs.

Turning to amended claim 1, Widmark does not disclose or suggest a method having the step of accessing a database at a base station containing dialing instructions for a wireless station for a rapidly-established telephone connection through a public switched telephone network to a destination station. Applicants submit that Widmark is not concerned with creating a rapidly-established telephone connection through a public switched telephone

network. Instead, Widmark is concerned with rapidly incorporating new supplementary services into a mobile telecommunications system. (See Widmark, column 6, lines 27-29.) Further, Widmark is silent regarding how rapidly a telephone connection is made through a public switched telephone network because the Widmark invention is directed to eliminating unproductive routing loops, i.e., extra connections and points of decision-making in the routing of the connection. (See Widmark, column 6, line 64, through column 7, line 4.) In that regard, a Widmark MSC is configured to access the HLR of a mobile radio subscriber when the subscriber roams into the area served by the MSC. As part of a location registration, the MSC receives and stores information from the HLR relating to subscriber categories of the subscriber. (See Widmark, column 12, lines 21-30.) When the MSC receives a call request from the subscriber, the MSC contacts the HLR based on the stored subscriber categories indicating that a supplementary service request has been made by the subscriber. (See Widmark, column 12, lines 35-39.)

In response to the service request information, the Widmark HLR makes decisions and provides routing information to the MSC. (See Widmark, column 12, lines 39-57, and column 13, lines 54-62.) Depending upon the subscriber categories of the subscriber, the HLR may instruct the MSC to monitor and report status of the call to the HLR so that the HLR can make an appropriate decision during an attempted routing of the call. (See Widmark, column 13, lines 62-65.) Thus, Widmark routes a call in a normal manner without any concern for making a rapidly-established telephone connection.

In view of this, Applicants respectfully submit that Widmark also does not disclose or suggest a method having the step of dialing a call for a rapidly-established telephone connection through the public switched telephone network to the destination station based on the dialing instructions for the wireless station because Widmark does not disclose or suggest making a rapidly-established telephone connection.

Thus, Applicants respectfully submit that amended claim 1 is patentable over Widmark. It follows that claims 2-5, which each incorporate the limitations of amended claim 1, are each patentable over Widmark for at least the same reasons that amended claim 1 is considered patentable over Widmark.

Amended claim 2 is patentable over Widmark for the additional reason that Widmark does not disclose or suggest a method having the step of establishing the claimed rapidly-established telephone connection for the call from the base station to the destination station using a predetermined routing path through the public switched telephone network based on the dialing instructions for the wireless station. Widmark routes the call in a manner that eliminates unproductive routing loops, i.e., extra connections and points of decision-making in the routing of the connection. (See Widmark, column 6, line 64, through column 7, line 4.) Further, routing decisions are made by the Widmark HLR. (See Widmark, column 13, lines 62-65.)

Applicants respectfully submit that claims 3-5 are each patentable over Widmark for at least the same reasons that amended claim 2 is considered patentable over Widmark. Claim 3

is patentable for the additional reason that Widmark does not disclose or suggest a method in which when a request for a call is received, voice signals are received and stored. Widmark is silent in this regard. Further regarding claim 3, Widmark does not disclose or suggest a method in which the stored voice signals are transmitted to the destination station when the call is connected through the public switched telephone network.


Applicants respectfully submit that claim 5 is patentable over Widmark for at least the same reasons that claim 3 is considered patentable over Widmark. Claim 5 is patentable over Widmark for the additional reason that Widmark does not disclose or suggest a method in which a connection that is time-shared with other wireless stations is established. Widmark is silent in this regard.

Regarding amended claim 6, Applicants respectfully submit that amended claim 6 is patentable over Widmark for reasons similar to why amended claim 1 is considered patentable over Widmark.

Applicants submit that claims 7-10, which each incorporate the limitations of amended claim 6, are each patentable over Widmark for at least the same reasons that amended claim 6 is considered patentable over Widmark.

Amended claim 7 is patentable over Widmark for the additional reason that Widmark does not disclose or suggest a base station in which the claimed rapidly-established telephone connection for the call from the base station to the destination station using a predetermined routing path through the public switched telephone network based on the dialing instructions

for the wireless station. As shown above, Widmark routes the call in a manner that eliminates unproductive routing loops. Further, routing decisions are made by the Widmark HLR.

Applicants respectfully submit that claims 8-10 are patentable over Widmark for at least the same reasons that amended claim 7 is considered patentable over Widmark. Claim 8 is patentable for the additional reason that Widmark does not disclose or suggest a base station in which when a request for a call is received, voice signals are received and stored in a memory. Widmark is plainly silent in this regard. Further regarding claim 8, Widmark does not disclose or suggest a base station in which the stored voice signals are transmitted to the destination station when the call is connected through the public switched telephone network. 

Applicants respectfully submit that claim 10 is patentable over Widmark for at least the same reasons that claim 8 is considered patentable over Widmark. Claim 10 is patentable over Widmark for the additional reason that Widmark does not disclose or suggest a base station in which the connection established for the call is time-shared with other wireless stations.

Consequently, Applicants respectfully request that the Examiner withdraw this rejection and allow claims 1-10.

Newly Added Claims

Applicants respectfully request that the Examiner enter claims 11-26. Support for these claims can be found in originally filed claims 1-10.

Applicants respectfully submit that newly added claim 11 is patentable over Widmark because Widmark does not disclose or suggest a method having the step of establishing a telephone connection for the call from the base station to the destination station using a predetermined routing path through the public switched telephone network based on the dialing instructions for the wireless station. As discussed above, Widmark routes the call in a manner that eliminates unproductive routing loops, and routing decisions are made by the Widmark HLR.

Newly added claims 12-14 are each patentable over Widmark for at least the same reasons that newly added claim 11 is considered patentable over Widmark. Newly added claim 12 is patentable over Widmark for the additional reason that Widmark does not disclose or suggest a method in which when a request for a call is received, voice signals are received and stored, and that Widmark does not disclose or suggest a method in which the stored voice signals are transmitted to the destination station when the call is connected through the public switched telephone network. Newly added claim 14 is patentable over Widmark for the additional reason that Widmark does not disclose or suggest a method having the step of establishing a connection that is time-shared with other wireless stations.

Newly added claims 15-18 are considered patentable over Widmark for reasons similar to why newly added claims 11-14 are respectively considered patentable over Widmark.

Newly added claims 19 and 22 are patentable over Widmark because Widmark is silent regarding voice signals that are received, stored and transmitted. It follows that newly added claims 20, 22, 23 and 24 are patentable for at least this reason.

Newly added claims 25 and 26 are patentable over Widmark because Widmark is silent with respect to establishing a connection for a call that is time-shared with other wireless stations.

Thus, Applicants respectfully request that the Examiner allow claims 11-26.

CONCLUSION

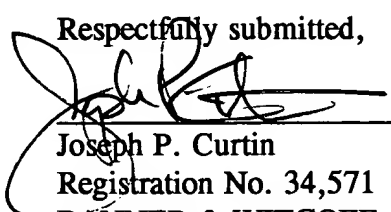
In view of the above amendments and arguments, it is urged that the present application is now in condition for allowance. Should the Examiner find that a telephonic or personal interview would expedite passage to issue of the present application, the Examiner is encouraged to contact the undersigned attorney at the telephone number indicated below.

Authority for debiting deposit account 19-0733 is attached for additional claims not previously paid for.

It is requested that this application be passed to issue with claims 1-26.

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Respectfully submitted,



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